

Methode

"RELI-ACON" CONNECTORS

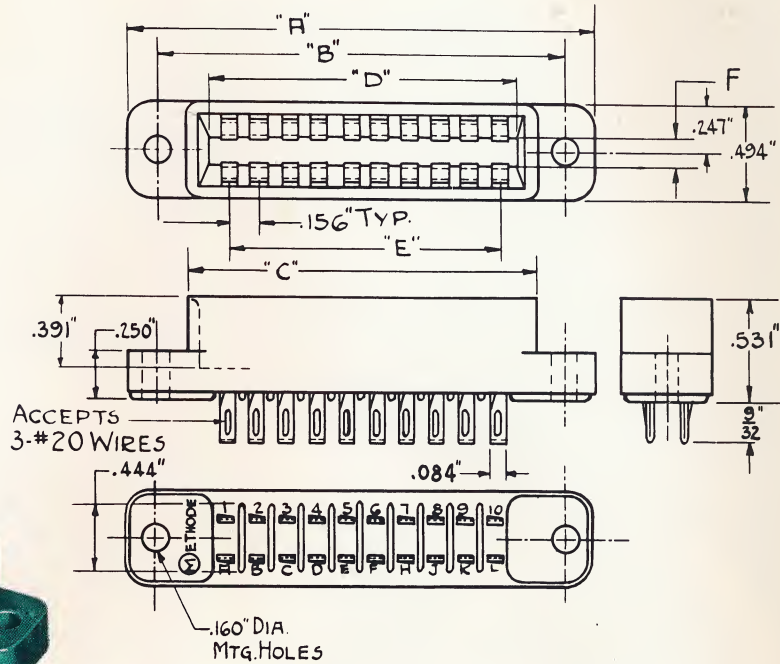
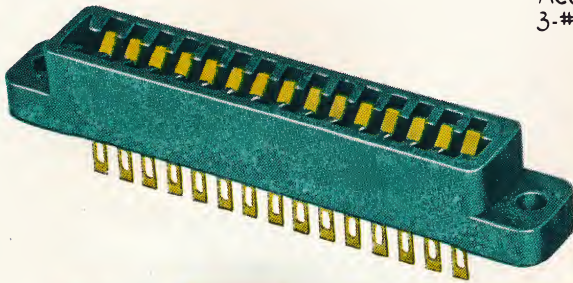
■ CARD RECEPTACLES ■ CARD PLUGS ■ PATCH CORDS

Methode "RELI-ACON" Card Receptacles

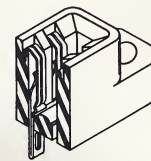
Designed for standard $\frac{3}{32}$ " and $\frac{1}{8}$ " thick boards with .156 tab spacing these units will accommodate boards made to Class 1 NEMA standards.

FD-700 Series

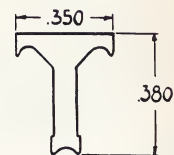
FD-700 Series, for either $\frac{3}{32}$ or $\frac{1}{8}$ inch printed circuit card. To specify for $\frac{3}{32}$ inch card add -3 to basic part number. For $\frac{1}{8}$ inch card add -4 to basic part number. Examples: FD-730-4S, 30 contact connector for $\frac{1}{8}$ inch card, glass filled diallyl phthalate, beryllium-copper, hard gold-plated contacts of either solid or split face design at area mating with plug-in PC Board. When ordering split-face type contact, add suffix -SF to part number. Example: FD-700-3S-SF



| Part Number | Dim. "A" | Dim. "B" | Dim. "C" | Dim. "D" | Dim. "E" | Dim. "F" | No. of Contacts | Board Thickness |
|-------------|----------|----------|----------|----------|----------|----------|-----------------|------------------|
| FD-712-3S | 1.785 | 1.531 | 1.239 | 1.097 | .780 | .108 | 12 | $\frac{3}{32}$ " |
| FD-712-4S | 1.785 | 1.531 | 1.239 | 1.097 | .780 | .154 | 12 | $\frac{1}{8}$ " |
| FD-716-3S | 2.097 | 1.843 | 1.551 | 1.409 | 1.092 | .108 | 16 | $\frac{3}{32}$ " |
| FD-716-4S | 2.097 | 1.843 | 1.551 | 1.409 | 1.092 | .154 | 16 | $\frac{1}{8}$ " |
| FD-720-3S | 2.410 | 2.156 | 1.864 | 1.723 | 1.404 | .108 | 20 | $\frac{3}{32}$ " |
| FD-720-4S | 2.410 | 2.156 | 1.864 | 1.723 | 1.404 | .154 | 20 | $\frac{1}{8}$ " |
| FD-724-3S | 2.780 | 2.470 | 2.160 | 1.956 | 1.716 | .108 | 24 | $\frac{3}{32}$ " |
| FD-724-4S | 2.780 | 2.470 | 2.160 | 1.956 | 1.716 | .154 | 24 | $\frac{1}{8}$ " |
| FD-730-3S | 3.248 | 2.938 | 2.628 | 2.424 | 2.184 | .108 | 30 | $\frac{3}{32}$ " |
| FD-730-4S | 3.248 | 2.938 | 2.628 | 2.424 | 2.184 | .154 | 30 | $\frac{1}{8}$ " |
| FD-736-3S | 3.660 | 3.406 | 3.114 | 2.972 | 2.652 | .108 | 36 | $\frac{3}{32}$ " |
| FD-736-4S | 3.660 | 3.406 | 3.114 | 2.972 | 2.652 | .154 | 36 | $\frac{1}{8}$ " |
| FD-744-3S | 4.285 | 4.031 | 3.739 | 3.597 | 3.276 | .108 | 44 | $\frac{3}{32}$ " |
| FD-744-4S | 4.285 | 4.031 | 3.739 | 3.597 | 3.276 | .154 | 44 | $\frac{1}{8}$ " |



SPLIT FACE DETAIL



POLARIZING KEY
PKN-700

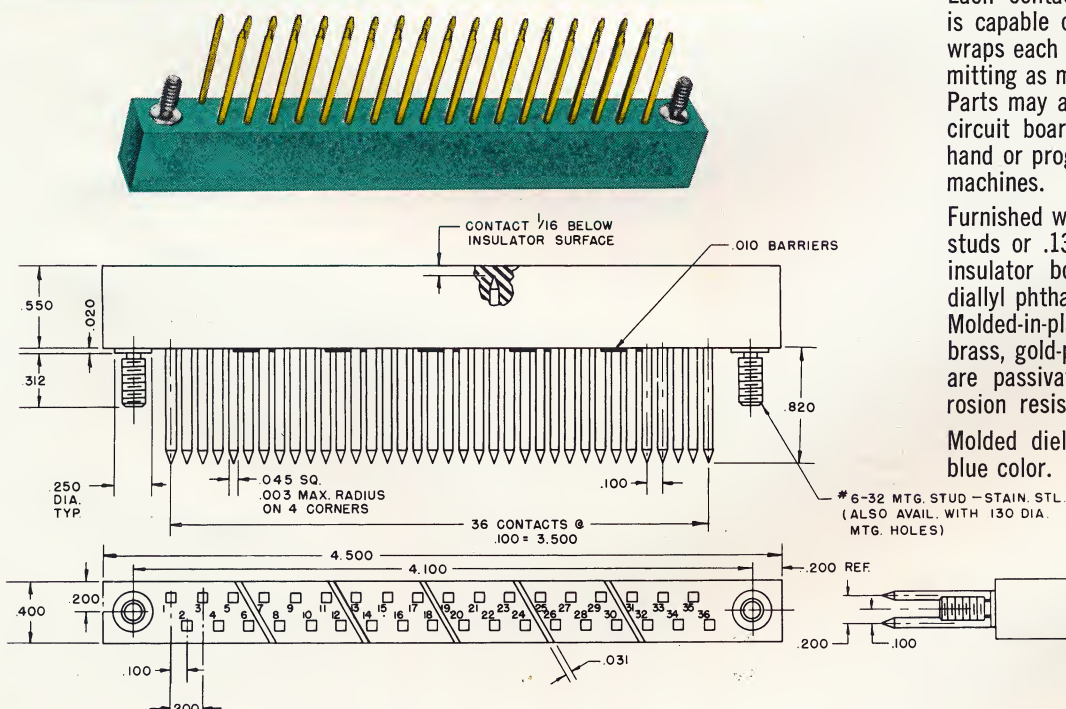
MEETS REQUIREMENTS OF MIL-C-21097

"RELI-ACON" Terminal Blocks TB-836W

Each contact of these terminal blocks is capable of accepting approximately 5 wraps each of 3 #20 wires, thereby, permitting as many as 108 interconnections. Parts may also be mounted on a printed circuit board, and will readily adapt to hand or programmed automatic wrapping machines.

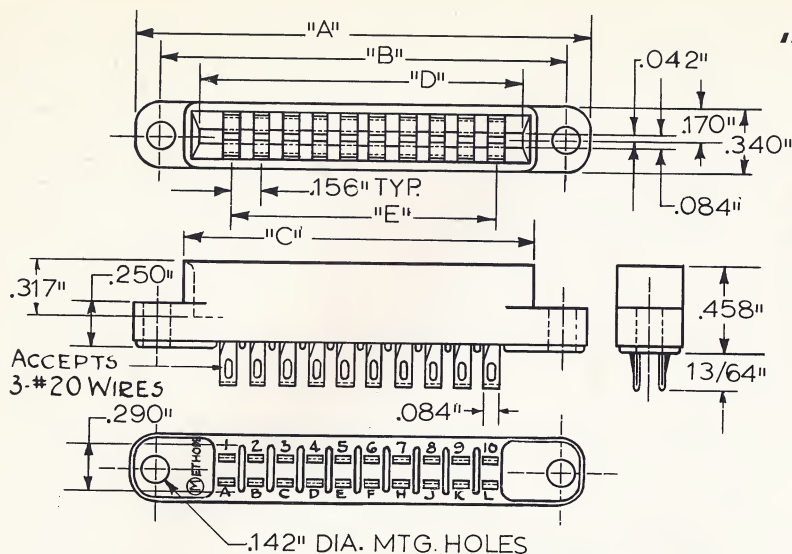
Furnished with either threaded mounting studs or .130" dia. mounting holes, the insulator body material is orlon filled diallyl phthalate (MIL-M-14F, type SD1-5). Molded-in-place contacts are full hard brass, gold-plated. #6-32 threaded studs are passivated stainless steel for corrosion resistance.

Molded dielectric available in green or blue color.





"RELI-ACON" Card Receptacles



FD-620S is Shown

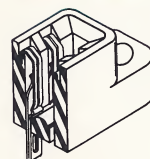
| Part Number | Dim. "A" | Dim. "B" | Dim. "C" | Dim. "D" | Dim. "E" | No. of Contacts |
|-------------|----------|----------|----------|----------|----------|-----------------|
| FD-612S | 1.785 | 1.531 | 1.239 | 1.097 | .781 | 12 |
| FD-616S | 2.097 | 1.843 | 1.551 | 1.409 | 1.093 | 16 |
| FD-620S | 2.410 | 2.156 | 1.864 | 1.723 | 1.406 | 20 |
| FD-624S | 2.722 | 2.468 | 2.176 | 2.035 | 1.716 | 24 |
| FD-630S | 3.191 | 2.937 | 2.645 | 2.504 | 2.187 | 30 |
| FD-636S | 3.660 | 3.406 | 3.114 | 2.972 | 2.656 | 36 |
| FD-644S | 4.285 | 4.031 | 3.739 | 3.597 | 3.281 | 44 |
| FD-648S | 4.597 | 4.343 | 4.051 | 3.909 | 3.593 | 48 |

Standard part furnished with .142" Dia. Mtg. hole.
Optional Mounting Hardware available listed on page 15.

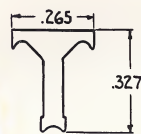


FD-600 Series

FD-600 Series. Double side card receptacles with separate termination for two sided boards employ glass filled diallyl phthalate in the insulators and have beryllium-copper hard gold-plated contacts. Available in either solid or split face design at area mating with plug-in PC Board. (See Detail) Contacts have a duo-spring principle which insures full tab contact to the total depth of the inserted card and must maintain a minimum of 1/2 oz. retention individually when measured with .054 gauge after repeated insertions of over-size .070 card. When ordering split-face type contact, add suffix -SF to part number. Example FD-600S-SF

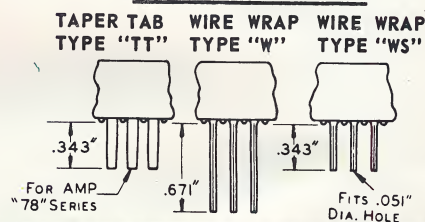


SPLIT FACE DETAIL
FD-600S-SF



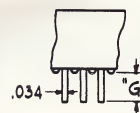
POLARIZING KEY
PKN-600

CONTACT TERMINATIONS



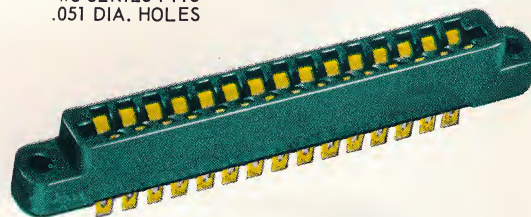
"RELI-ACON" Card Receptacles

| WS SERIES | "G" LENGTH |
|-----------|------------|
| WS (312) | 5/16 |
| WS (203) | 13/64 |



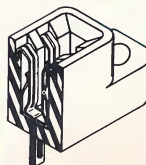
SOLDER DIP
TERMINAL CD-600
WS SERIES FITS
.051 DIA. HOLES

EXAMPLE: CD-600WS(312)

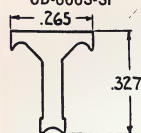


CD-600 Series

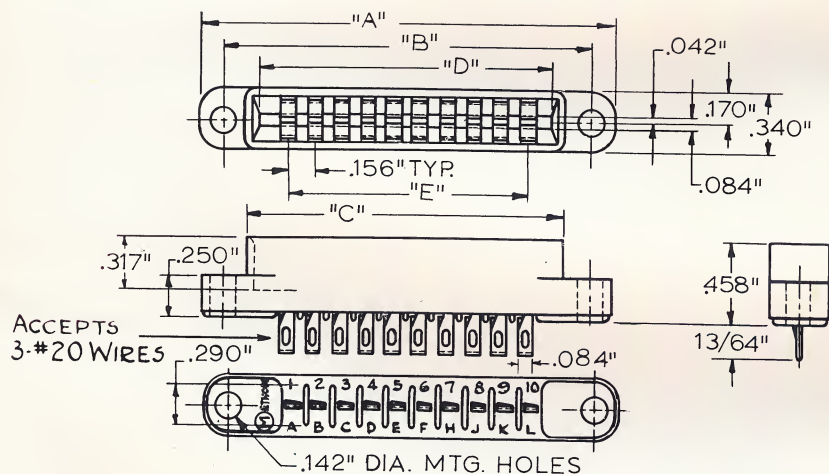
CD-600 Series. Single termination contacts for double sided printed circuit card. Employs glass filled diallyl phthalate in the insulators, and beryllium copper hard gold-plated contacts. Available in either solid or split face design at area mating with plug-in PC board. (See Detail) Contacts have a double-leaf spring principle which insures full tab contact to the full depth of the inserted card and must maintain a minimum of 1/2 oz. retention individually when measured with .054 gauge after repeated insertions of over-size .070 card. When ordering split-face type contact, add suffix -SF to part number. Example CD-600S-SF



SPLIT FACE DETAIL
CD-600S-SF



POLARIZING KEY
PKN-600



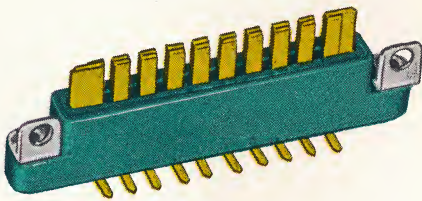
CD-610S is Shown

| Part Number | Dim. "A" | Dim. "B" | Dim. "C" | Dim. "D" | Dim. "E" | No. of Contacts |
|-------------|----------|----------|----------|----------|----------|-----------------|
| CD-606S | 1.785 | 1.531 | 1.239 | 1.097 | .781 | 6 |
| CD-608S | 2.097 | 1.843 | 1.551 | 1.409 | 1.093 | 8 |
| CD-610S | 2.410 | 2.156 | 1.864 | 1.723 | 1.406 | 10 |
| CD-612S | 2.722 | 2.468 | 2.176 | 2.035 | 1.716 | 12 |
| CD-615S | 3.191 | 2.937 | 2.645 | 2.504 | 2.187 | 15 |
| CD-618S | 3.660 | 3.406 | 3.114 | 2.972 | 2.656 | 18 |
| CD-622S | 4.285 | 4.031 | 3.739 | 3.597 | 3.281 | 22 |
| CD-624S | 4.597 | 4.343 | 4.051 | 3.909 | 3.593 | 24 |

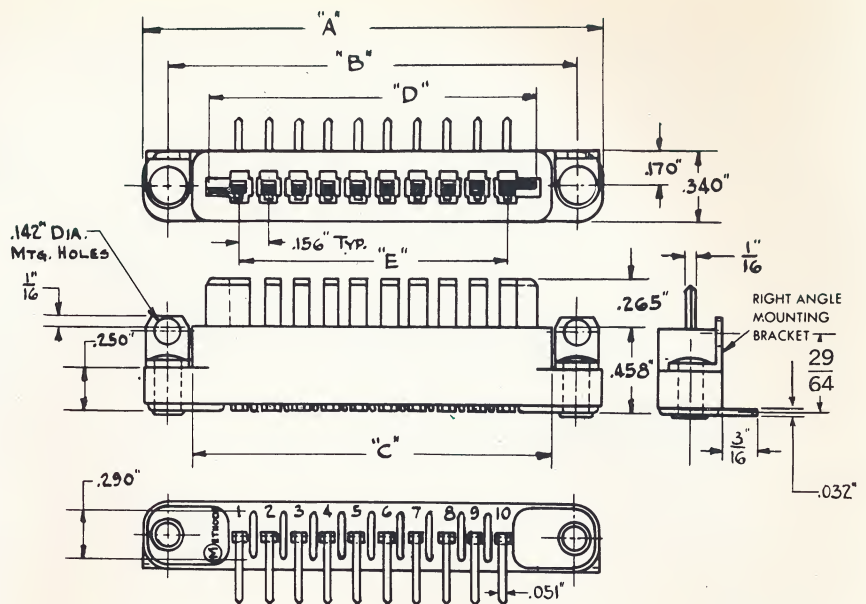
Standard part furnished with .142" Dia. Mtg. hole.
Optional Mounting Hardware available listed on page 15.



"RELI-ACON" Card Plugs MDR-600B Series

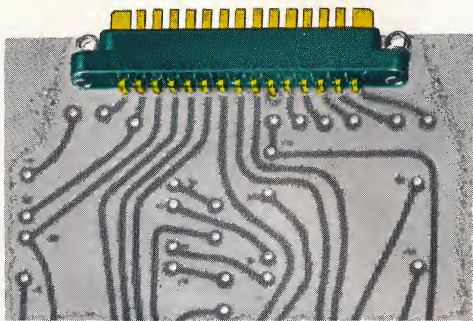


MDR-600B Series. Right angle printed circuit plug for use with SD-600 series connectors. Employs glass-filled, diallyl phthalate as insulating material and brass hard gold-plated contacts on .156 centers. Requires .062 dia. holes for terminations in printed circuit board.



MDR-610B is Shown

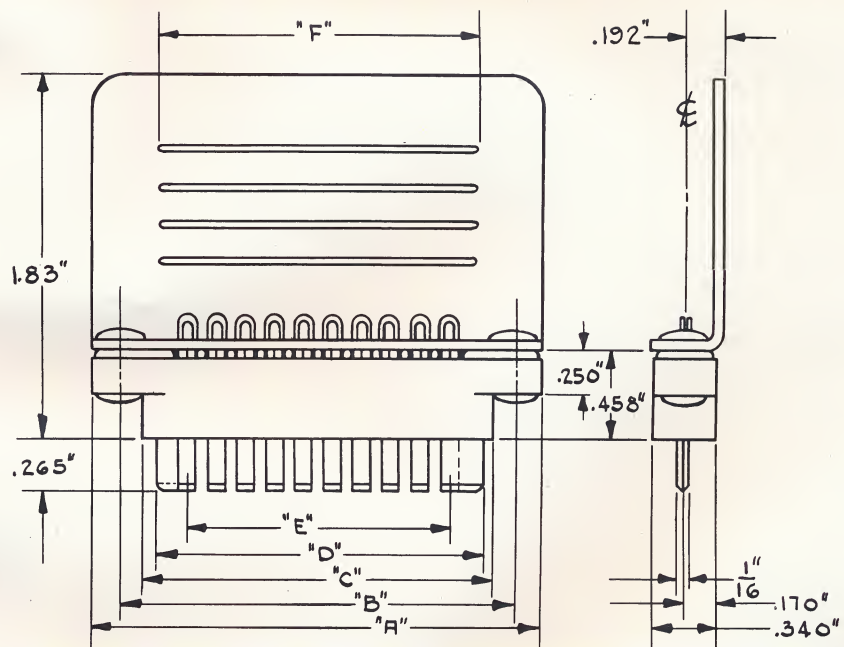
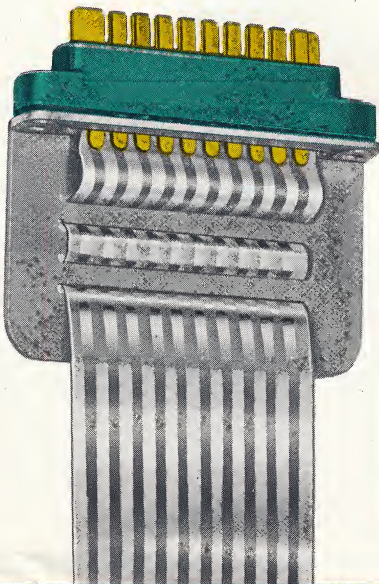
| Part Number | Dim. "A" | Dim. "B" | Dim. "C" | Dim. "D" | Dim. "E" | No. of Contacts |
|-------------|----------|----------|----------|----------|----------|-----------------|
| MDR-606B | 1.785 | 1.531 | 1.239 | 1.088 | .781 | 6 |
| MDR-608B | 2.097 | 1.843 | 1.551 | 1.400 | 1.093 | 8 |
| MDR-610B | 2.410 | 2.156 | 1.864 | 1.713 | 1.406 | 10 |
| MDR-612B | 2.722 | 2.468 | 2.176 | 2.025 | 1.716 | 12 |
| MDR-615B | 3.191 | 2.937 | 2.645 | 2.494 | 2.187 | 15 |
| MDR-618B | 3.660 | 3.406 | 3.114 | 2.963 | 2.656 | 18 |
| MDR-622B | 4.285 | 4.031 | 3.739 | 3.588 | 3.281 | 22 |
| MDR-624B | 4.597 | 4.343 | 4.051 | 3.900 | 3.593 | 24 |



"RELI-ACON" "PLYO-DUCT" SRC-MD-600 Series Cable Plug

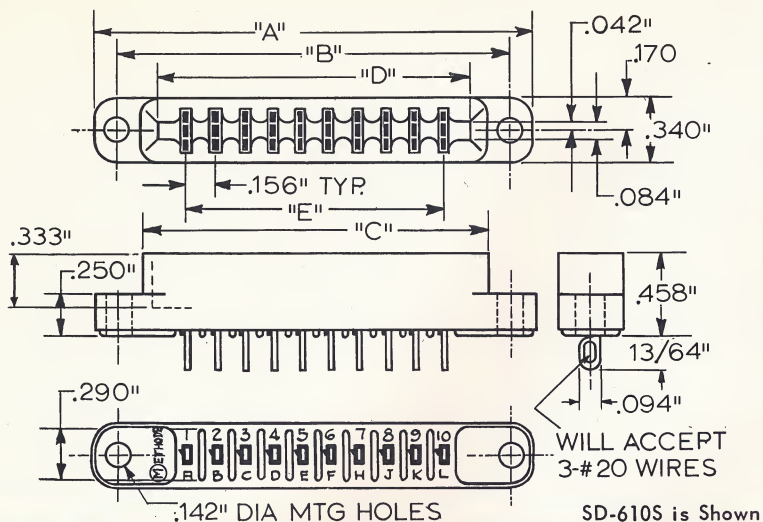
SRC-MD-600 Series

SRC-MD-600 Series. The standard MD-600 Series plug with attached strain relief clamp for "PLYO-DUCT" cabling. Relief clamps are available as a standard item in epoxy glass material. Other materials available on special request.



SRC-MD-610S is Shown

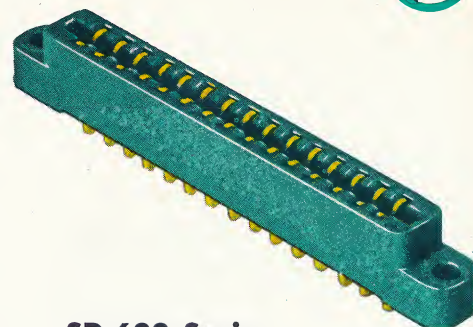
| Part Number | Dim. "A" | Dim. "B" | Dim. "C" | Dim. "D" | Dim. "E" | Dim. "F" | No. of Contacts |
|-------------|----------|----------|----------|----------|----------|----------|-----------------|
| SRC-MD-606S | 1.785 | 1.531 | 1.239 | 1.088 | .781 | 1.121 | 6 |
| SRC-MD-608S | 2.097 | 1.843 | 1.551 | 1.400 | 1.093 | 1.433 | 8 |
| SRC-MD-610S | 2.410 | 2.156 | 1.864 | 1.713 | 1.406 | 1.746 | 10 |
| SRC-MD-615S | 3.191 | 2.937 | 2.645 | 2.494 | 2.187 | 2.527 | 15 |
| SRC-MD-618S | 3.660 | 3.406 | 3.114 | 2.963 | 2.656 | 2.996 | 18 |
| SRC-MD-622S | 4.285 | 4.031 | 3.739 | 3.588 | 3.281 | 3.621 | 22 |
| SRC-MD-624S | 4.597 | 4.343 | 4.051 | 3.900 | 3.593 | 3.933 | 24 |



SD-610S is Shown

| Part Number | Dim. "A" | Dim. "B" | Dim. "C" | Dim. "D" | Dim. "E" | No. of Contacts |
|-------------|----------|----------|----------|----------|----------|-----------------|
| SD-606S | 1.785 | 1.531 | 1.239 | 1.097 | .781 | 6 |
| SD-608S | 2.097 | 1.843 | 1.551 | 1.409 | 1.093 | 8 |
| SD-610S | 2.410 | 2.156 | 1.864 | 1.723 | 1.406 | 10 |
| SD-612S | 2.722 | 2.468 | 2.176 | 2.035 | 1.716 | 12 |
| SD-615S | 3.191 | 2.937 | 2.645 | 2.504 | 2.187 | 15 |
| SD-618S | 3.660 | 3.406 | 3.114 | 2.972 | 2.656 | 18 |
| SD-622S | 4.285 | 4.031 | 3.739 | 3.597 | 3.281 | 22 |
| SD-624S | 4.597 | 4.343 | 4.051 | 3.909 | 3.593 | 24 |

"RELI-ACON" Receptacles



SD-600 Series

SD-600 Series. Standard single side card receptacle employs glass filled diallyl phthalate as insulating material and phosphor bronze, gold-plated contacts.

Contacts are formed and finished to insure positive pressure on both maximum (.070) cards and minimum (.054) thick cards without scoring of printed circuit tabs or plating. Finish also provides a maximum contact resistance of 5 milliohms after repeated insertions.

Other insulating materials, contact materials, finishes and terminal styles are available on special request.

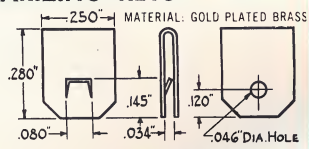
POLARIZING KEYS



Type P

Permanent Polarizing Key.

Indicate key position by adding suffix P to part number followed by contact position. EX. SD-610 S-P5



Part
PKR 600B

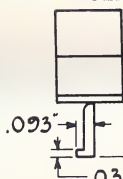
Removable polarizing key can be ordered separately or inserted in specified contact position. EX. SD-622S-PR7



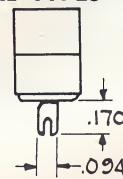
Type S

Standard Contact will accommodate 3 #20 wires

TERMINAL TYPES



Type L



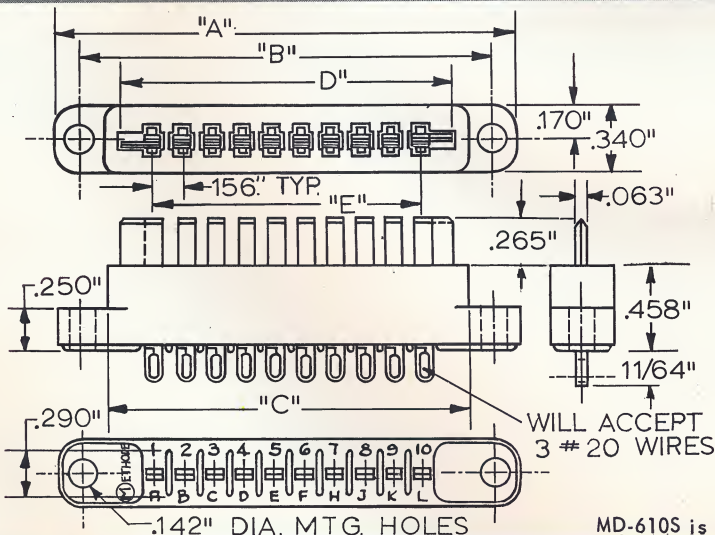
Type U



Type W

Wire Wrap Contact

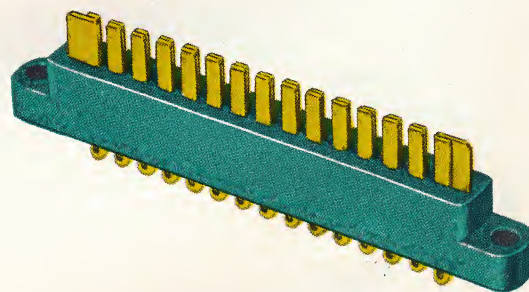
When ordering W Type Terminal add suffix indicating desired length. EX. SD-615 W (160)



MD-610S is Shown

| Part Number | Dim. "A" | Dim. "B" | Dim. "C" | Dim. "D" | Dim. "E" | No. of Contacts |
|-------------|----------|----------|----------|----------|----------|-----------------|
| MD-606S | 1.785 | 1.531 | 1.239 | 1.088 | .781 | 6 |
| MD-608S | 2.097 | 1.843 | 1.551 | 1.400 | 1.093 | 8 |
| MD-610S | 2.410 | 2.156 | 1.864 | 1.713 | 1.406 | 10 |
| MD-612S | 2.722 | 2.468 | 2.176 | 2.025 | 1.716 | 12 |
| MD-615S | 3.191 | 2.937 | 2.645 | 2.494 | 2.187 | 15 |
| MD-618S | 3.660 | 3.406 | 3.114 | 2.963 | 2.656 | 18 |
| MD-622S | 4.285 | 4.031 | 3.739 | 3.588 | 3.281 | 22 |
| MD-624S | 4.597 | 4.343 | 4.051 | 3.900 | 3.593 | 24 |

"RELI-ACON" Plugs



MD-600 Series

MD-600 Series. Standard male plug for use with SD-600 Series employs glass filled diallyl phthalate as insulating material and brass, gold plated contacts.

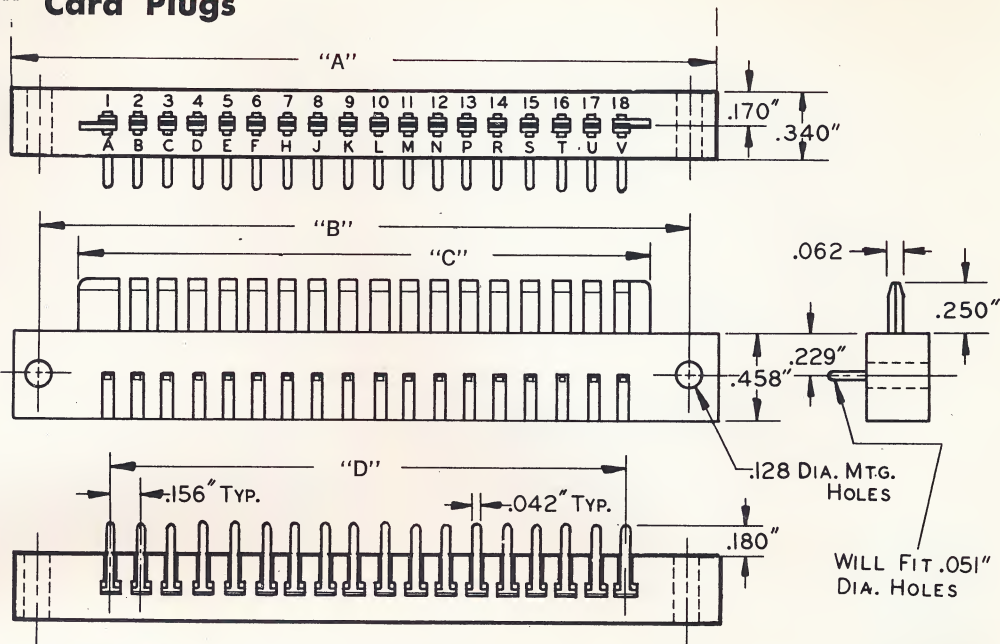
Other insulating materials, contact materials, finishes and terminal styles are available on special request.

Methode "RELI-ACON" Card Plugs

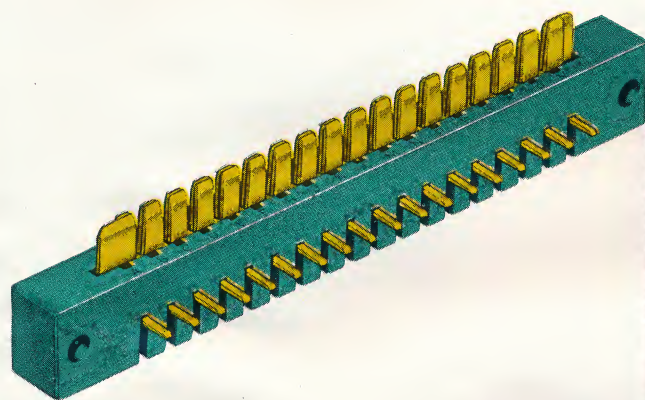
MDR-600 CN Series

A right angle male plug designed specifically for P.C. Board dip solder application serves as a disconnect medium when used with SD-600 series connector. The design of the one piece molded dielectric reduces the possibility of moisture entrapment.

Standard connector is furnished with a glass reinforced diallyl-phthalate insulator and gold plated brass contacts on .156" center to center spacing. The contact terminals are designed to pass thru a hole .051" in diameter.



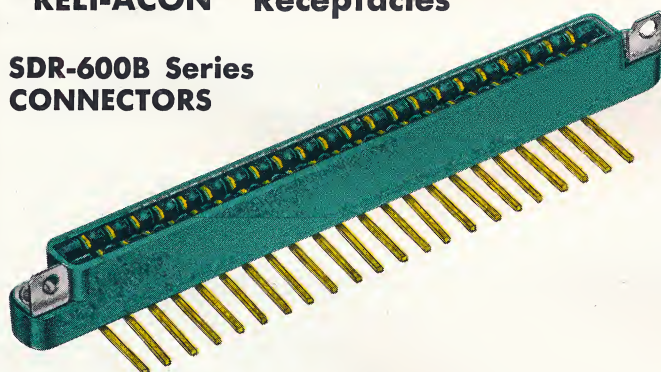
Part Shown: MDR-618CN



| Part Number | Dim. "A" | Dim. "B" | Dim. "C" | Dim. "D" | No. of Contacts |
|-------------|----------|----------|----------|----------|-----------------|
| MDR-606-CN | 1.825 | 1.531 | 1.087 | .781 | 6 |
| MDR-608-CN | 2.137 | 1.843 | 1.399 | 1.093 | 8 |
| MDR-610-CN | 2.450 | 2.156 | 1.716 | 1.406 | 10 |
| MDR-612-CN | 2.762 | 2.468 | 2.025 | 1.716 | 12 |
| MDR-615-CN | 3.231 | 2.937 | 2.497 | 2.187 | 15 |
| MDR-618-CN | 3.700 | 3.406 | 2.966 | 2.656 | 18 |
| MDR-622-CN | 4.325 | 4.031 | 3.591 | 3.281 | 22 |
| MDR-624-CN | 4.597 | 4.343 | 3.899 | 3.593 | 24 |

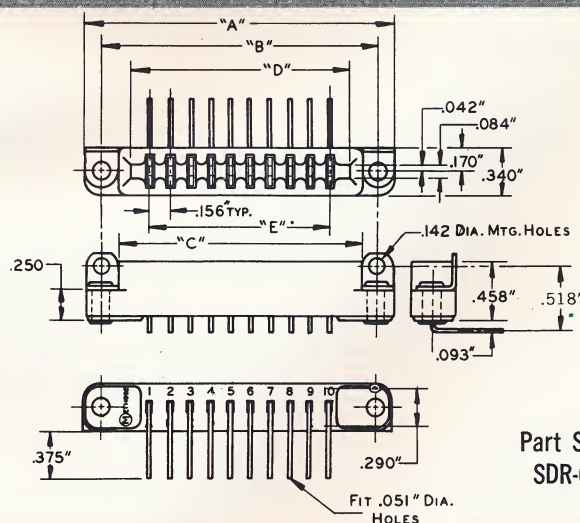
"RELI-ACON" Receptacles

SDR-600B Series CONNECTORS



These right angle card receptacles can be mounted to a P.C. board and accept a mating plug or P.C. board.

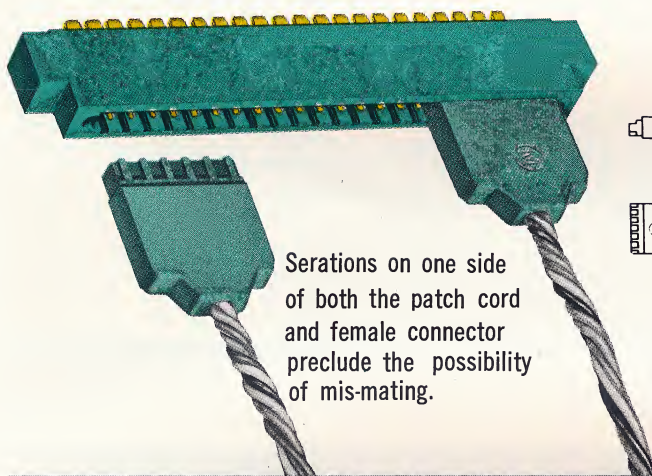
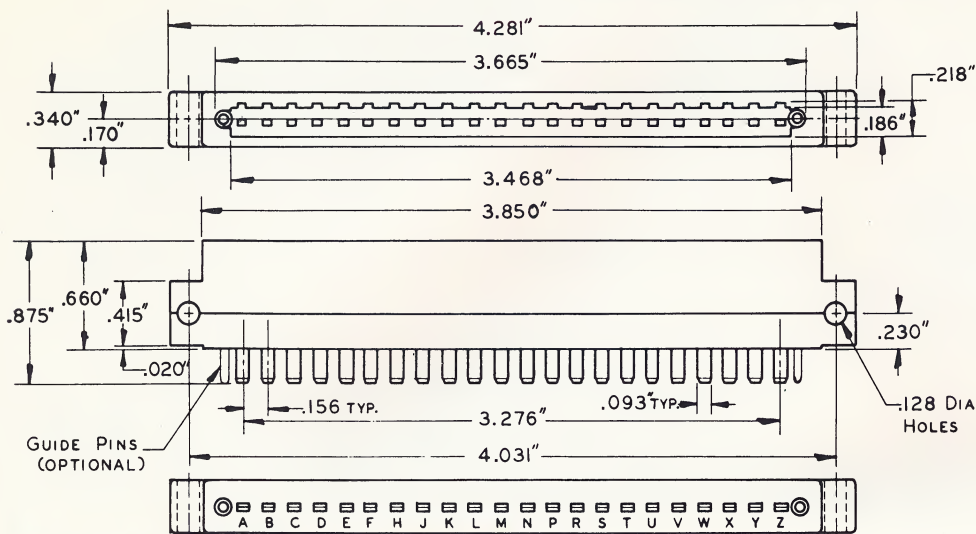
Standard part employs a glass reinforced diallyl-phthalate insulator and contacts of gold plated phosphor bronze on .156" spacing. The contact terminals are formed at a right angle to the card opening for dip solder application.



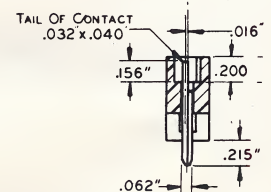
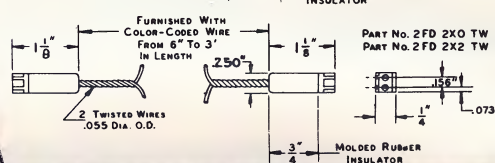
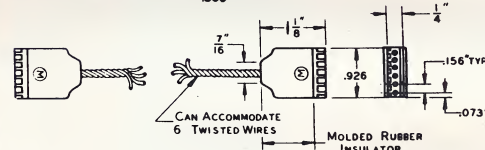
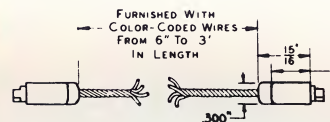
Part Shown: SDR-610B

| Part Number | Dim. "A" | Dim. "B" | Dim. "C" | Dim. "D" | Dim. "E" | No. of Contacts |
|-------------|----------|----------|----------|----------|----------|-----------------|
| SDR-606B | 1.785 | 1.531 | 1.239 | 1.097 | .781 | 6 |
| SDR-608B | 2.097 | 1.843 | 1.551 | 1.409 | 1.093 | 8 |
| SDR-610B | 2.410 | 2.156 | 1.864 | 1.723 | 1.406 | 10 |
| SDR-612B | 2.722 | 2.468 | 2.176 | 2.035 | 1.716 | 12 |
| SDR-615B | 3.191 | 2.937 | 2.645 | 2.504 | 2.187 | 15 |
| SDR-618B | 3.660 | 3.406 | 3.114 | 2.972 | 2.656 | 18 |
| SDR-622B | 4.285 | 4.031 | 3.739 | 3.597 | 3.281 | 22 |
| SDR-624B | 4.597 | 4.343 | 4.051 | 3.909 | 3.593 | 24 |

"RELI-ACON" Programming System Connectors GP-XMD-622 M CONNECTOR and PATCH CORDS



PART NO. 2FD 6X0 TW HAS 1 PLUG
PART NO. 2FD 6X6 TW HAS 2 PLUGS



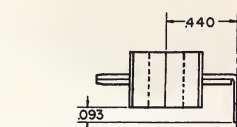
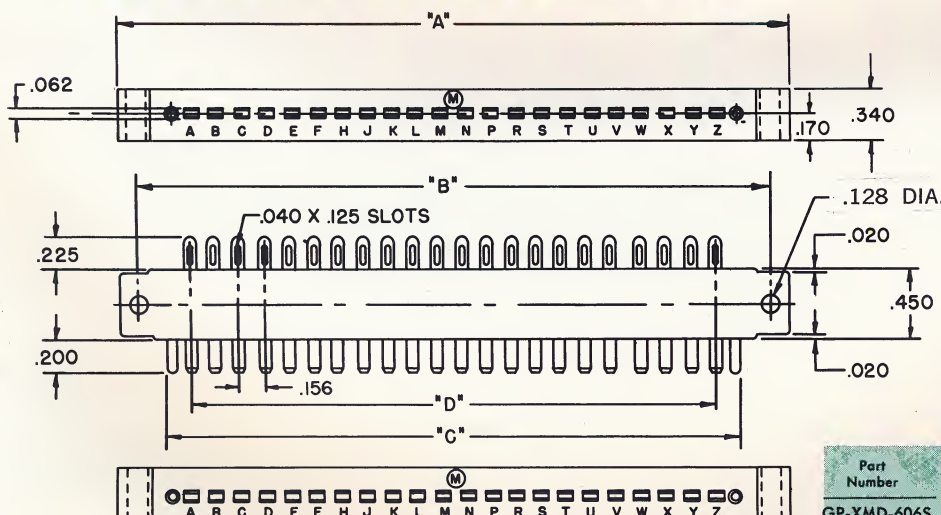
PART SHOWN IS
GP-XMD-622M

"RELI-ACON" Plugs

GP-XMD-600 SERIES

Standard male plug employing molded insulator of glass reinforced diallyl phthalate and gold plated brass contacts on .156" center to center spacing for use with SD600 series receptacle. Contact terminals can be furnished with eyelet (capable of accepting 3 #20 AWG wires for conventional wiring) or formed at right angle at rear of connector body for printed circuit board dip solder application. Contact terminals are designed to pass through a .051" diameter hole.

PART SHOWN IS GP-XMD-622S



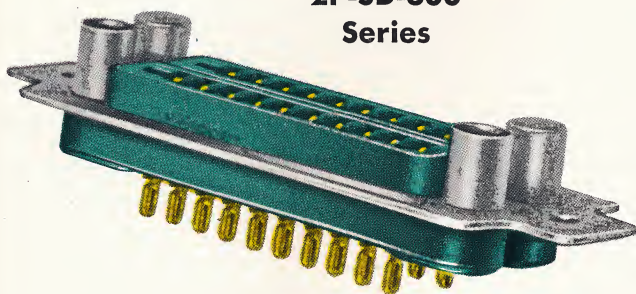
RIGHT ANGLE DIP-SOLDER TYPE
WHEN ORDERING, ADD SUFFIX
-RDS TO PART NUMBER
EXAMPLE: GP-XMD-622RDS

| Part Number | Dim. A | Dim. B | Dim. C | Dim. D | No. Contacts |
|-------------|--------|--------|--------|--------|--------------|
| GP-XMD-606S | 1.785 | 1.531 | 1.087 | .781 | 6 |
| GP-XMD-608S | 2.097 | 1.843 | 1.399 | 1.093 | 8 |
| GP-XMD-610S | 2.410 | 2.156 | 1.713 | 1.406 | 10 |
| GP-XMD-612S | 2.722 | 2.468 | 2.025 | 1.716 | 12 |
| GP-XMD-615S | 3.191 | 2.937 | 2.494 | 2.187 | 15 |
| GP-XMD-618S | 3.660 | 3.406 | 2.962 | 2.656 | 18 |
| GP-XMD-622S | 4.285 | 4.031 | 3.587 | 3.281 | 22 |
| GP-XMD-624S | 4.597 | 4.343 | 3.899 | 3.593 | 24 |

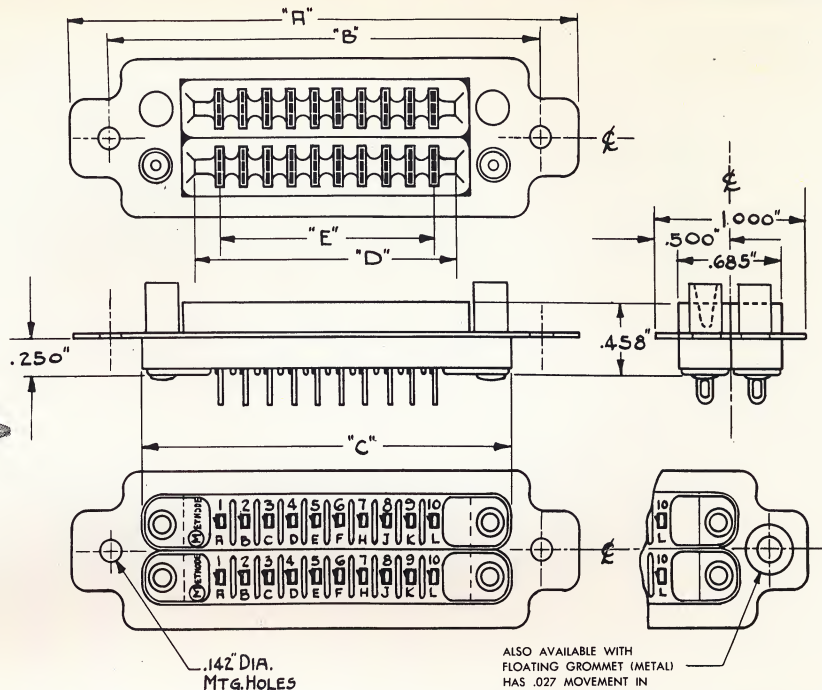


"RELI-ACON" Paired Receptacles

2P-SD-600 Series



2P-SD-600 Series. For rack and panel applications involving printed circuitry, or as a receptacle when used with the 2P-MD-600 series plug. Consists of two SD-600 series connectors mounted together by a common plate. Available with or without floating mounting grommets for misalignment allowances. For material specifications refer to SD-600 series on page 5.

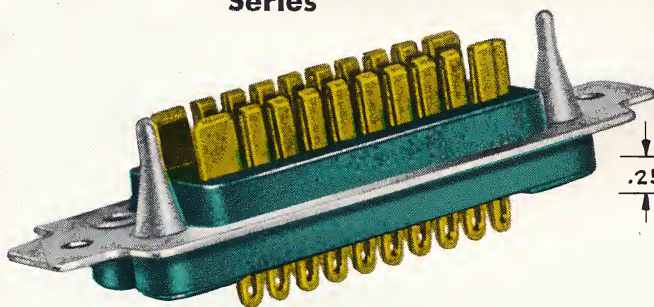


2P-SD-620S is Shown

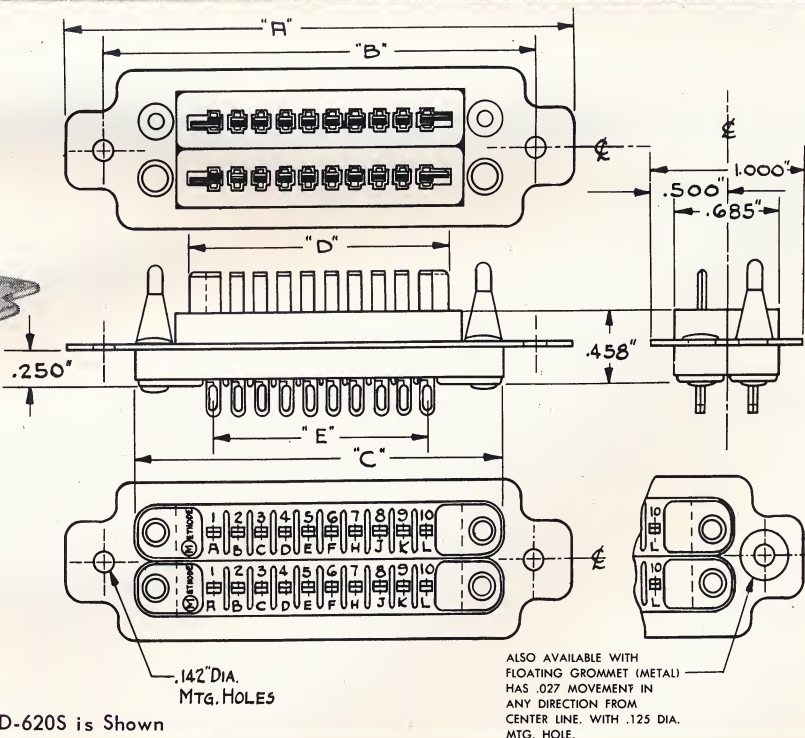
| Part Number | Dim. "A" | Dim. "B" | Dim. "C" | Dim. "D" | Dim. "E" | No. of Contacts |
|-------------|----------|----------|----------|----------|----------|-----------------|
| 2P-SD-612S | 2.695 | 2.195 | 1.785 | 1.097 | .781 | 12 |
| 2P-SD-616S | 3.007 | 2.507 | 2.097 | 1.409 | 1.093 | 16 |
| 2P-SD-620S | 3.320 | 2.820 | 2.410 | 1.723 | 1.406 | 20 |
| 2P-SD-630S | 4.101 | 3.601 | 3.191 | 2.504 | 2.187 | 30 |
| 2P-SD-636S | 4.570 | 4.070 | 3.660 | 2.972 | 2.656 | 36 |
| 2P-SD-644S | 5.195 | 4.695 | 4.285 | 3.597 | 3.281 | 44 |
| 2P-SD-648S | 5.507 | 5.007 | 4.597 | 3.909 | 3.593 | 48 |

"RELI-ACON" Paired Plugs

2P-MD-600 Series



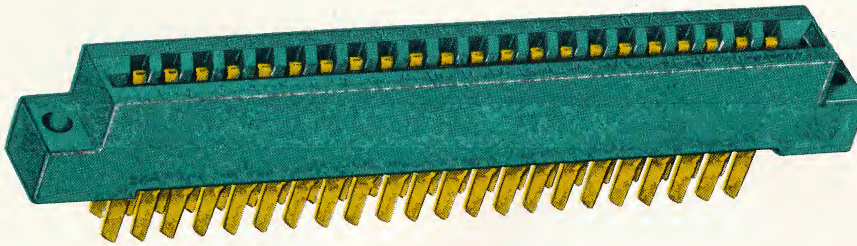
2P-MD-600 Series. Consists of two standard MD-600 series plugs mounted together by a common plate. For use with the 2P-SD-600 series connector as a line disconnect plug. Polarizing pin provides positive mating. For material specifications refer to MD-600 series on page 5.



2P-MD-620S is Shown

| Part Number | Dim. "A" | Dim. "B" | Dim. "C" | Dim. "D" | Dim. "E" | No. of Contacts |
|-------------|----------|----------|----------|----------|----------|-----------------|
| 2P-MD-612S | 2.695 | 2.195 | 1.785 | 1.088 | .781 | 12 |
| 2P-MD-616S | 3.007 | 2.507 | 2.097 | 1.400 | 1.093 | 16 |
| 2P-MD-620S | 3.320 | 2.820 | 2.410 | 1.713 | 1.406 | 20 |
| 2P-MD-630S | 4.101 | 3.601 | 3.191 | 2.494 | 2.187 | 30 |
| 2P-MD-636S | 4.570 | 4.070 | 3.660 | 2.963 | 2.656 | 36 |
| 2P-MD-644S | 5.195 | 4.695 | 4.285 | 3.588 | 3.281 | 44 |
| 2P-MD-648S | 5.507 | 5.007 | 4.597 | 3.900 | 3.593 | 48 |

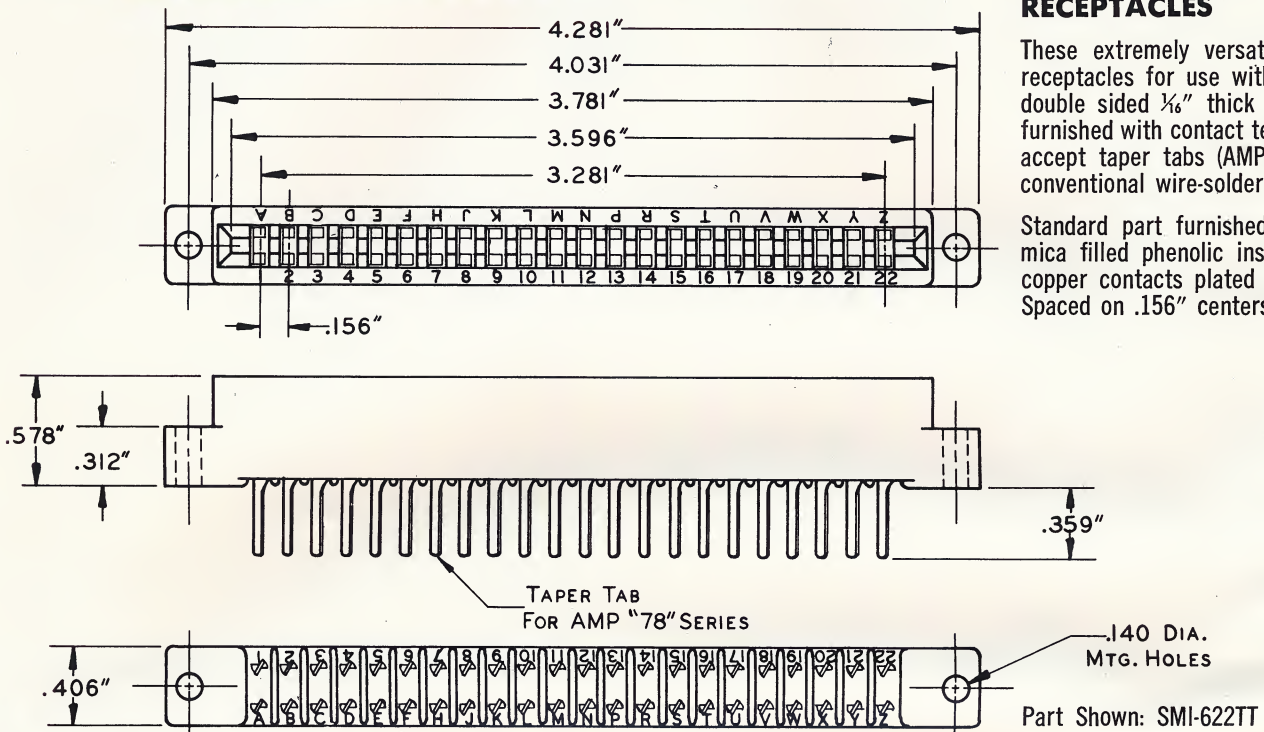
"RELI-ACON" Card Receptacles — Taper Tab —



SMI-600 Series RECEPTACLES

These extremely versatile printed card receptacles for use with both single or double sided $\frac{1}{8}$ " thick P.C. boards, are furnished with contact terminals that will accept taper tabs (AMP), dip solder, or conventional wire-solder applications.

Standard part furnished with a molded mica filled phenolic insulator, beryllium copper contacts plated gold over silver. Spaced on .156" centers.

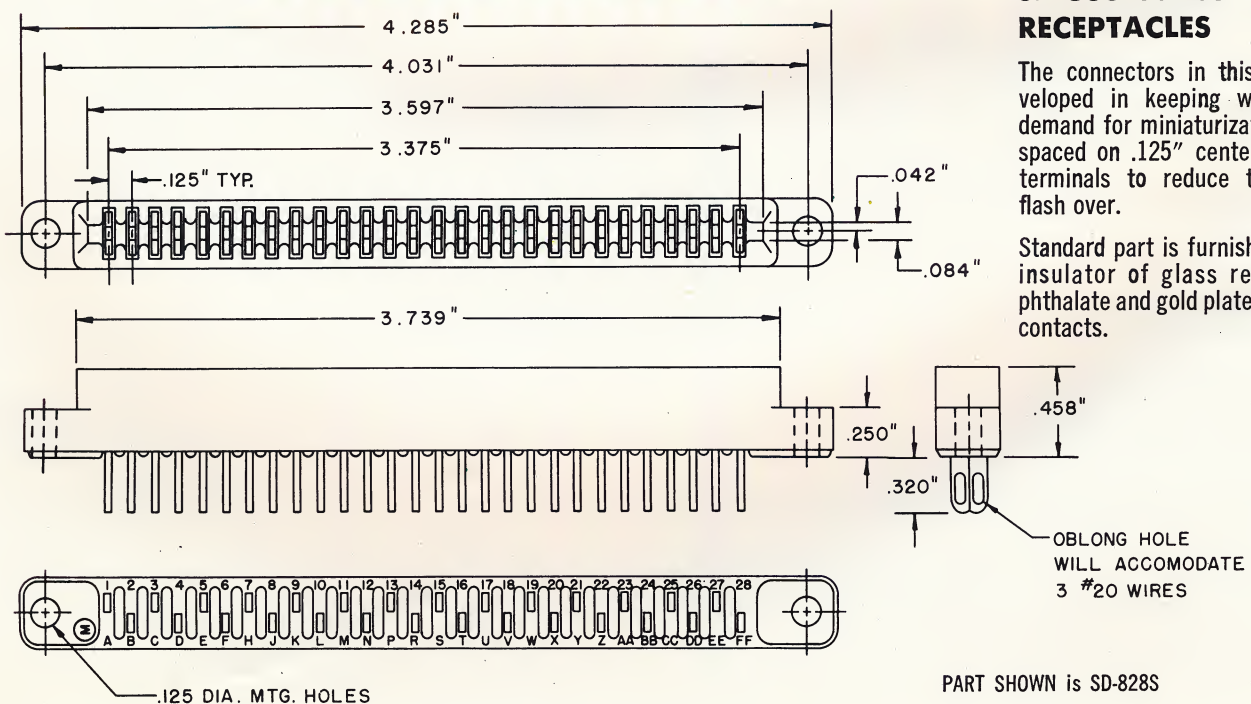


"RELI-ACON" Receptacles

SD-800 Series RECEPTACLES

The connectors in this series were developed in keeping with the constant demand for miniaturization. Contacts are spaced on .125" centers with staggered terminals to reduce the possibility of flash over.

Standard part is furnished with a molded insulator of glass reinforced diallyl-phthalate and gold plated phosphor bronze contacts.

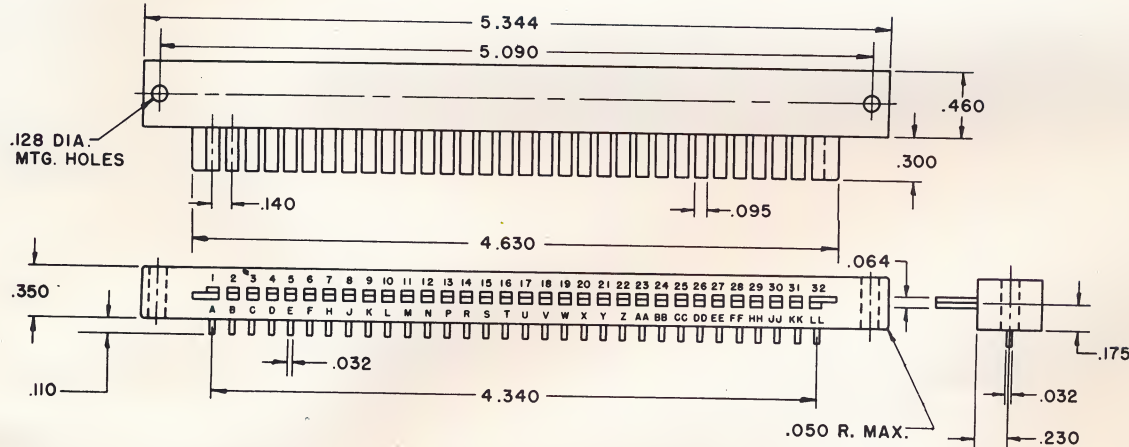
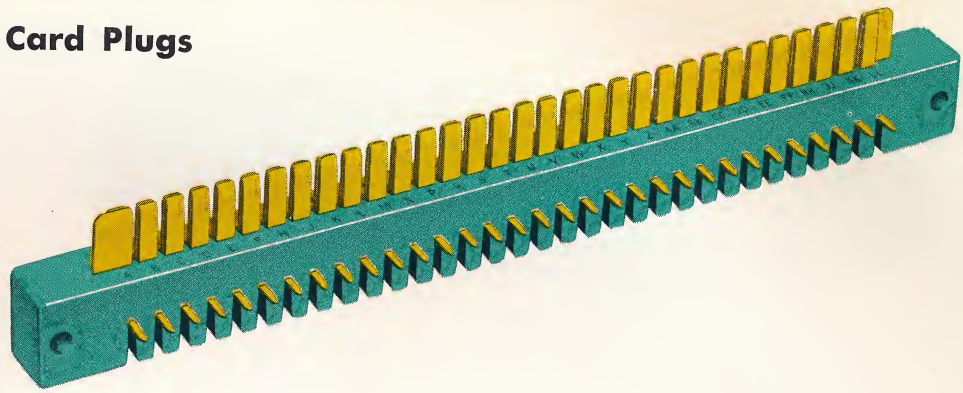


PART SHOWN is SD-828S

Methode "RELI-ACON" Card Plugs

MDR-832CN

Right angle male plug employing 32 contacts on .140" center to center spacing designed for printed circuit board dip solder applications using the mating SD-832S as a line disconnect. Standard part furnished with one piece molded insulator of glass reinforced diallyl phthalate and gold plated brass contacts designed to pass through a hole .051" in diameter.

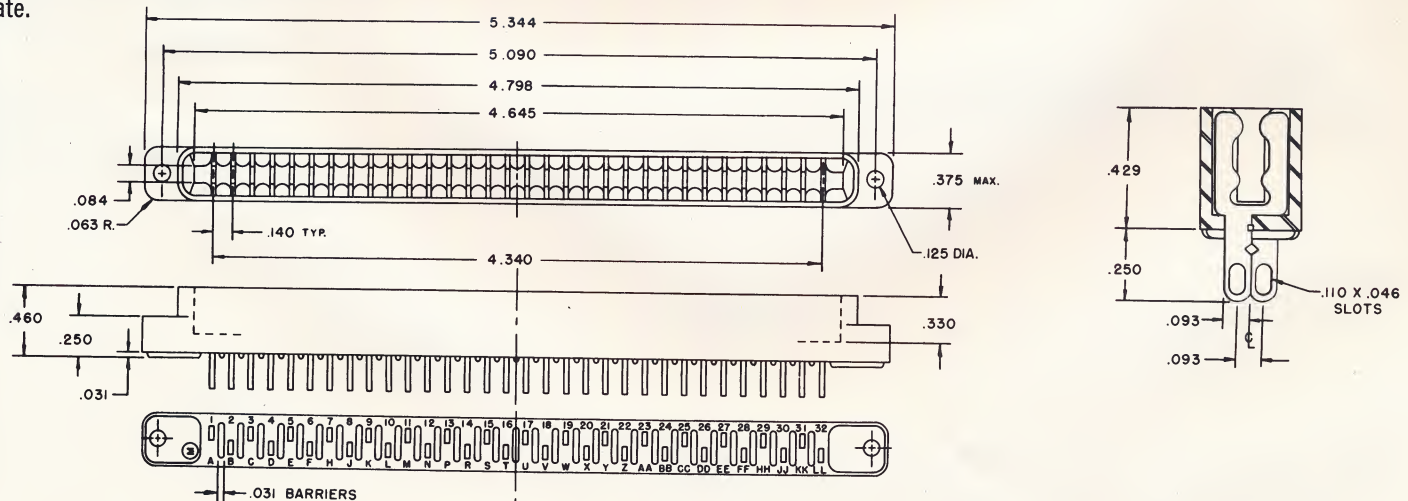


"RELI-ACON" Receptacles

SD-832S

Similar in design to the SD600 series connectors on page 5. Employ 32 contacts on .140" center to center spacing. Will accept either the MDR832CN male plug or 1/8" thick printed circuit board. Terminals of contacts are staggered to facilitate wiring and preclude possibility of flash over.

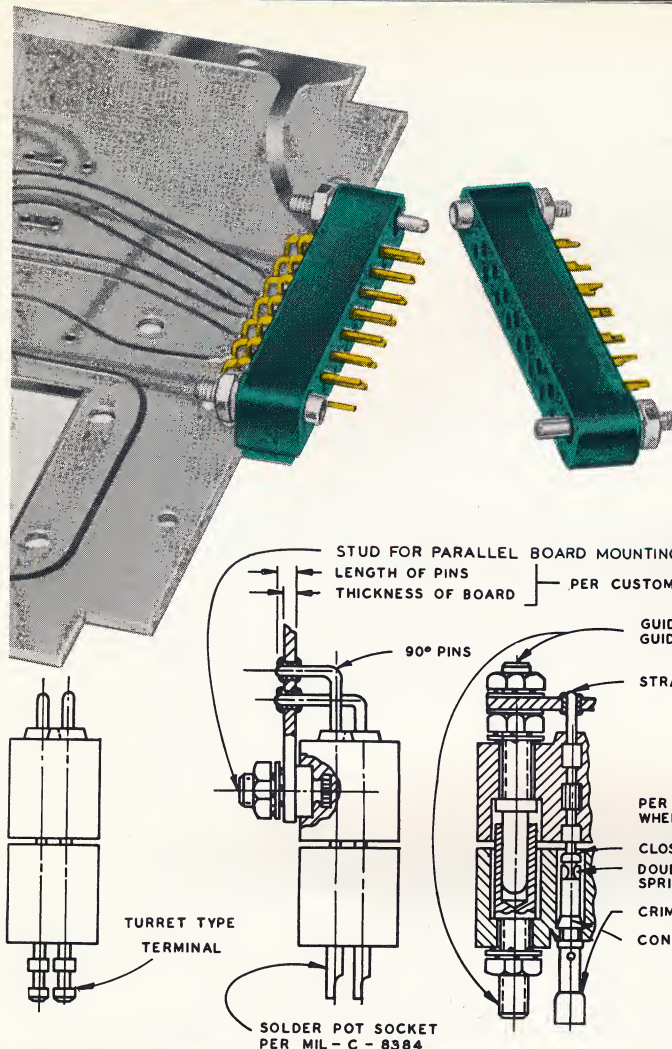
Standard part furnished with gold plated phosphor bronze contacts and molded insulator of glass reinforced diallyl phthalate.



"RELI-ACON" PIN and SOCKET (2-Part) PRINTED CIRCUIT CONNECTOR

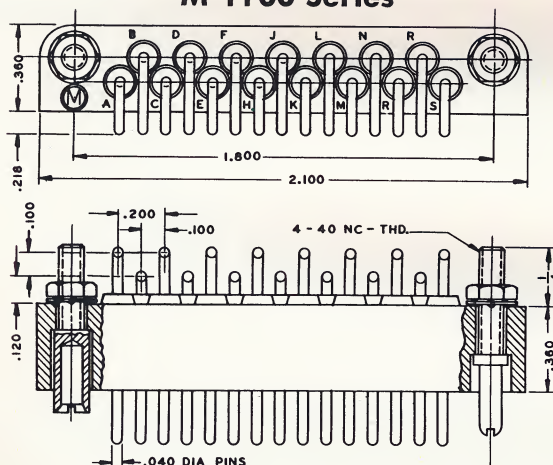


M-1100 and F-1100 Series Connectors



- Closed entry sockets to eliminate damage through use of test prod.
- Contact made by double action contact spring (with a small change of rate) assures uniform contact pressures for extremes of pin diameters.
- Sockets exceed requirements of MIL-C-26636 where applicable.
- Sockets floating in connector body for ease of mating and unmating. (Sockets self aligning.)
- Contact retention obtained through fiber filled nylon ring for snap in into connector body after assembly of wires.
- Contacts may be removed and reinserted repeatedly without tools or inexpensive tools provided by Methode.
- Snap in (and removal) feature allows use of various socket types:
 1. Sockets with solder pot terminal (tin filled)
 2. Sockets with crimp pot per MIL-C-26636
 3. Sockets with turret terminal
- Pin connector may be used with printed circuit boards of any thickness.
- Connector supplied for straight or right angle mounting.
- Guide pins and sockets to facilitate mating; may also be supplied as current carriers.

M-1100 Series

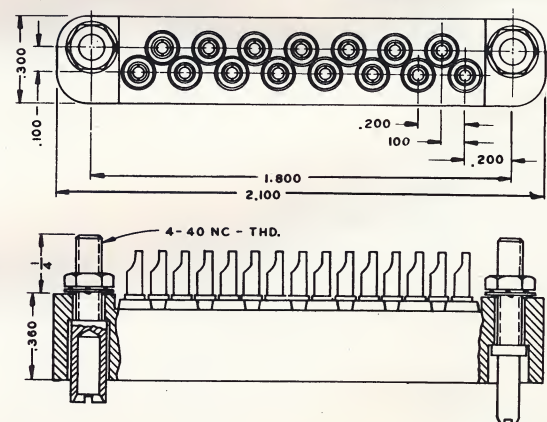


ORDERING INSTRUCTIONS

M X - II XX - XX - XX
 TS - THREADED STUD FOR PARALLEL BOARD MOUNTING
 PIN CONTACT TERMINATION
 RA = RIGHT ANGLE
 ST = STRAIGHT
 MOLDED IN
 NUMBER CONTACTS
 CONTACTS ON .100 STAGGERED CENTERS
 D = DIALL PHTHALATE OR
 M = MELAMINE (FIBER FILLED)
 MALE PIN TYPE CONNECTOR

EXAMPLE: MD - 1115 RA
 DENOTES PIN CONNECTOR, DIALL ON .100 STAGGERED CENTERS, STRAIGHT MTG, 15 RIGHT ANGLE PINS AND STD. GUIDE PIN AND SOCKET.
 IF CURRENT CARRYING GUIDE SOCKET IS REQ'D ADD NUMBER OF IT TO ORDER NUMBER
 EXAMPLE: MD - 1115 RA (1034)

F-1100 Series



ORDERING INSTRUCTIONS

F X - II XX - XX
 SOCKET CONTACT TERMINATION
 SP = SOLDER POT
 CP = CRIMP POT
 SS = SOLDER POT TIN FILLED
 TT = TURRET TERMINAL
 SNAP IN
 NUMBER CONTACTS
 CONTACTS ON .100 STAGGERED CENTERS
 D = DIALL PHTHALATE
 M = MELAMINE (FIBER FILLED)
 FEMALE SOCKET TYPE CONNECTOR

EXAMPLE: FM - 1115 CP
 DENOTES SOCKET CONNECTOR, MELAMINE, .100 STAGGERED CENTERS, 15 CONTACTS, WITH CRIMP POT AND STD. GUIDE PIN AND SOCKET.
 IF CURRENT CARRYING GUIDE SOCKET IS REQ'D ADD NUMBER OF IT TO ORDER NUMBER
 EXAMPLE: FM - 1115 CP (1034)

Methode "RELI-ACON" Card Receptacles

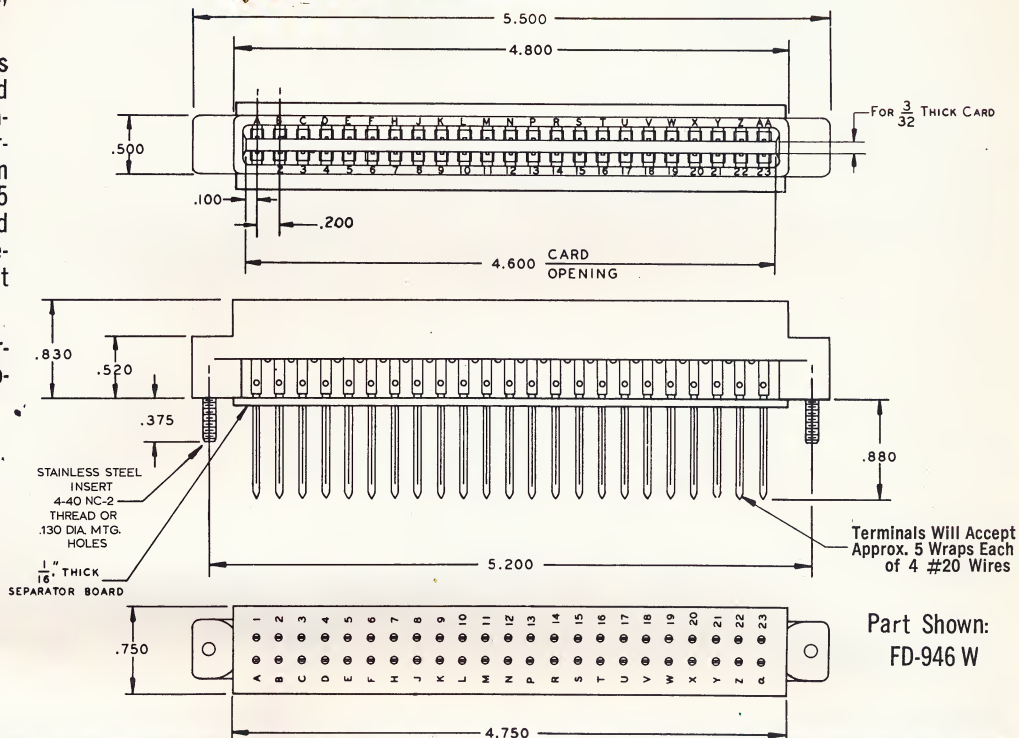
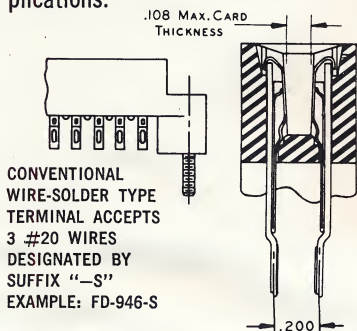
Programmed Automatic Machine Wiring or Hand Wiring

FD-900 SERIES

FD 900 W Series printed circuit card receptacles are designed to meet the requirements of heavy military applications and can be used with both single or double sided $\frac{3}{32}$ " P.C. boards. Contact terminals are of the wire wrap type to provide rapid, dependable mechanical connections.

The standard part is furnished with a glass reinforced molded dielectric and gold plated beryllium copper contacts, employing .028 x .062 gold plated brass terminals to provide a reliable connection for up to 4 #20 wires consisting of 5 wraps each. The connector is furnished with a contact separator immediately below the casting to insure proper contact terminal spacing for machine wiring.

Part also available with "S" Type termination for conventional wire solder applications.



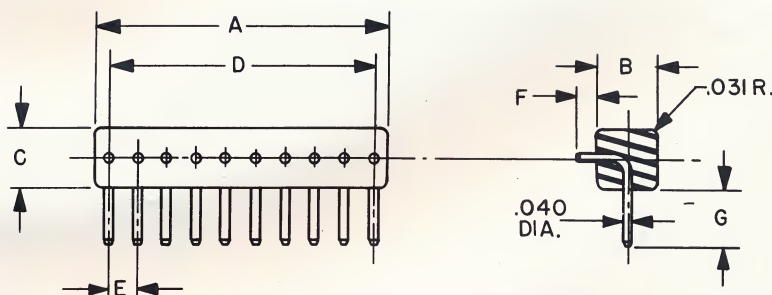
Part Shown:
FD-946 W

Terminal Blocks

MR-900 SERIES

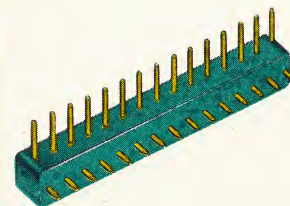
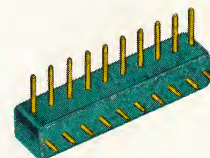
Specifically designed for right angle dip solder applications to printed circuit boards, the MR900 series connector bodies are of one piece construction.

Standard part is furnished with green general purpose phenolic-insulator employing molded in place phosphor bronze gold plated contacts on .156" center to center spacing.



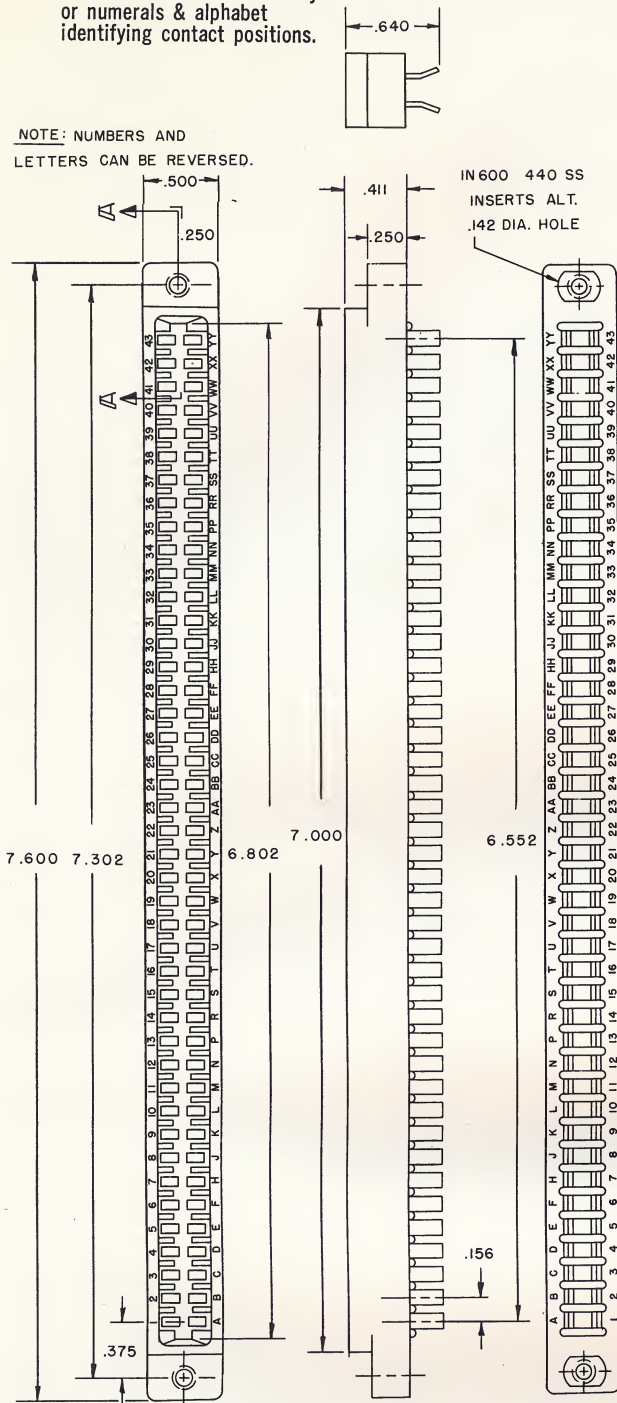
| Part Number | Casting Material | Board Thickness | Dim. "A" | Dim. "B" | Dim. "C" | Dim. "D" | Dim. "E" | Dim. "F" | Dim. "G" | No. of Contacts |
|-------------|------------------|-----------------|----------|----------|----------|----------|----------|----------|----------|-----------------|
| MR-910-3 | Grn. Min. Filled | 1/16 | 1-35/64 | 5/16 | 5/16 | 1.406 | .156 | 1/8 | 3/16 | 10 |
| MMR-910-3 | Mica Filled | 1/16 | 1-35/64 | 5/16 | 5/16 | 1.406 | .156 | 1/8 | 3/16 | 10 |
| MR-910-4 | Grn. Min. Filled | 3/32 | 1-35/64 | 5/16 | 5/16 | 1.406 | .156 | 1/8 | 1/4 | 10 |
| MMR-910-4 | Mica Filled | 3/32 | 1-35/64 | 5/16 | 5/16 | 1.406 | .156 | 1/8 | 1/4 | 10 |
| MR-910-5 | Grn. Min. Filled | 1/8 1/4 | 1-35/64 | 5/16 | 5/16 | 1.406 | .156 | 1/8 | 5/16 | 10 |
| MMR-910-5 | Mica Filled | 1/8 1/4 | 1-35/64 | 5/16 | 5/16 | 1.406 | .156 | 1/8 | 5/16 | 10 |

| Part Number | Casting Material | Board Thickness | Dim. "A" | Dim. "B" | Dim. "C" | Dim. "D" | Dim. "E" | Dim. "F" | Dim. "G" | No. of Contacts |
|-------------|------------------|-----------------|----------|----------|----------|----------|----------|----------|----------|-----------------|
| MR-915-3 | Grn. Min. Filled | 1/16 | 2-21/64 | 5/16 | 5/16 | 2.187 | .156 | 1/8 | 3/16 | 15 |
| MMR-915-3 | Mica Filled | 1/16 | 2-21/64 | 5/16 | 5/16 | 2.187 | .156 | 1/8 | 3/16 | 15 |
| MR-915-4 | Grn. Min. Filled | 3/32 | 2-21/64 | 5/16 | 5/16 | 2.187 | .156 | 1/8 | 1/4 | 15 |
| MMR-915-4 | Mica Filled | 3/32 | 2-21/64 | 5/16 | 5/16 | 2.187 | .156 | 1/8 | 1/4 | 15 |
| MR-915-5 | Grn. Min. Filled | 1/8 1/4 | 2-21/64 | 5/16 | 5/16 | 2.187 | .156 | 1/8 | 5/16 | 15 |
| MMR-915-5 | Mica Filled | 1/8 1/4 | 2-21/64 | 5/16 | 5/16 | 2.187 | .156 | 1/8 | 5/16 | 15 |



Furnished with numerals only
or numerals & alphabet
identifying contact positions.

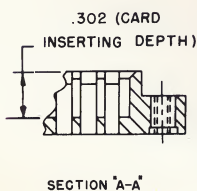
NOTE: NUMBERS AND
LETTERS CAN BE REVERSED.



"RELI-ACON" FD-686S-440SS Card Receptacles

The FD686S-440SS connector provides 86 contacts (43 per side) on .156" center to center spacing for use with $\frac{1}{16}$ " double sided printed circuit boards. Available with either solid or split face contacts, the latter providing two contacting surfaces at each contact position insuring a high degree of reliability.

Standard part furnished with molded insulator of glass reinforced diallyl phthalate gold plated beryllium copper contacts and stainless steel mounting hardware employing 4-40 threads.

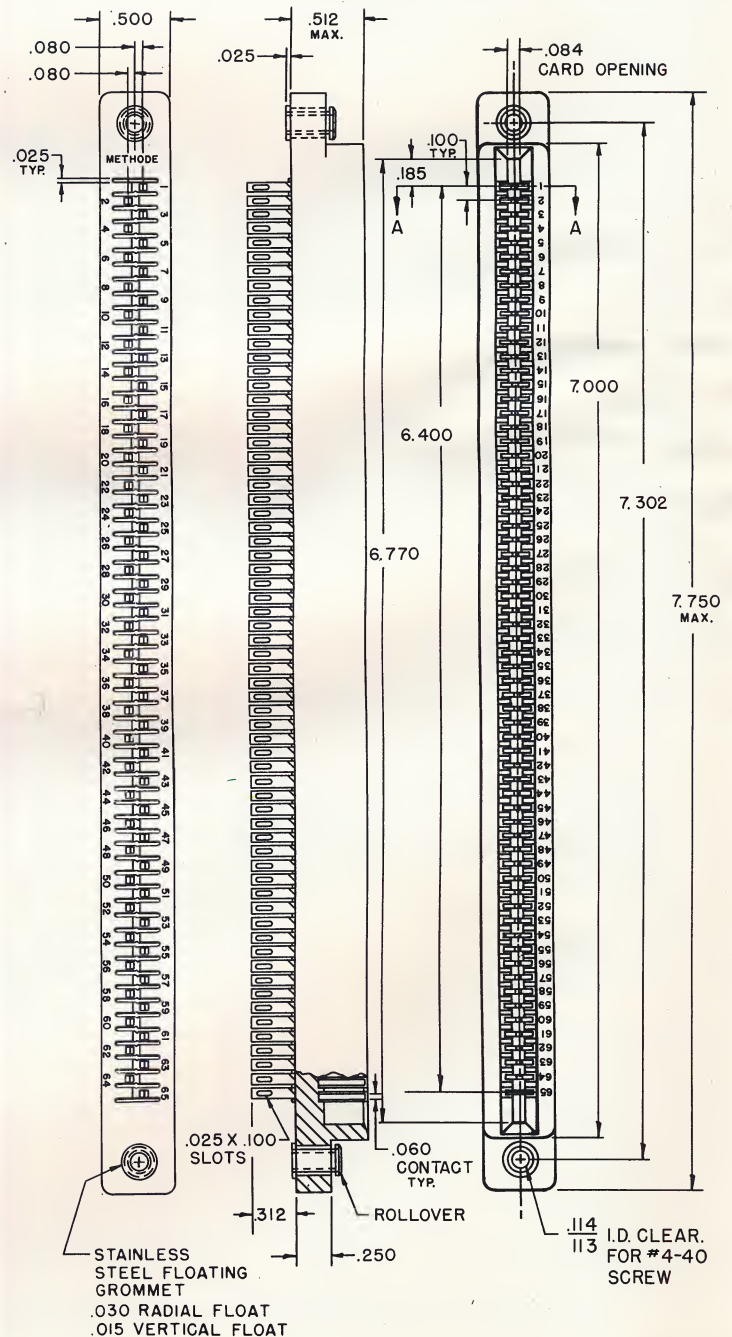
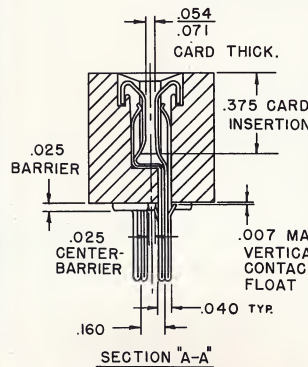


"RELI-ACON" Card Receptacles

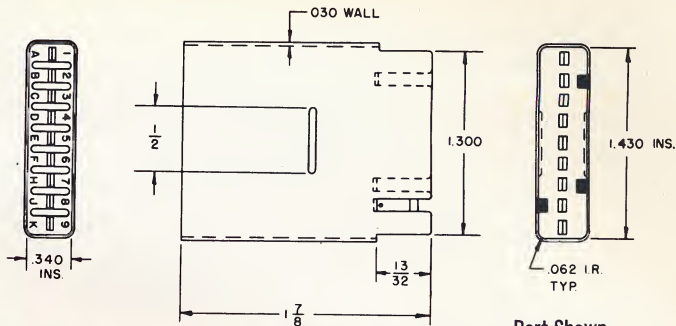
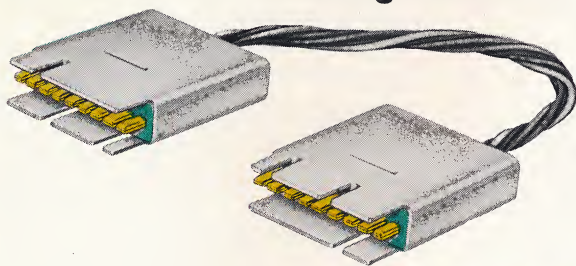
CDS-865S-FG

130 contact connector designed for dense packaging provides 130 contacts on .100" center to center spacing. Opposed contacts are electrically common to each other resulting in 65 staggered read outs. Eyelet in contact terminals designed to accept 3 #22 AWG wires for conventional wiring application. Float bushings at mounting lugs provide .030" radial float to insure proper alignment with $\frac{1}{16}$ " thick plug in printed circuit board.

Standard part furnished with gold plated beryllium copper contacts molded dielectric of glass reinforced diallyl phthalate and stainless steel float bushings with .113"-.114" diameter clearance holes for 4-40 screw.



Methode "RELI-ACON" Programming Plugs and Receptacles

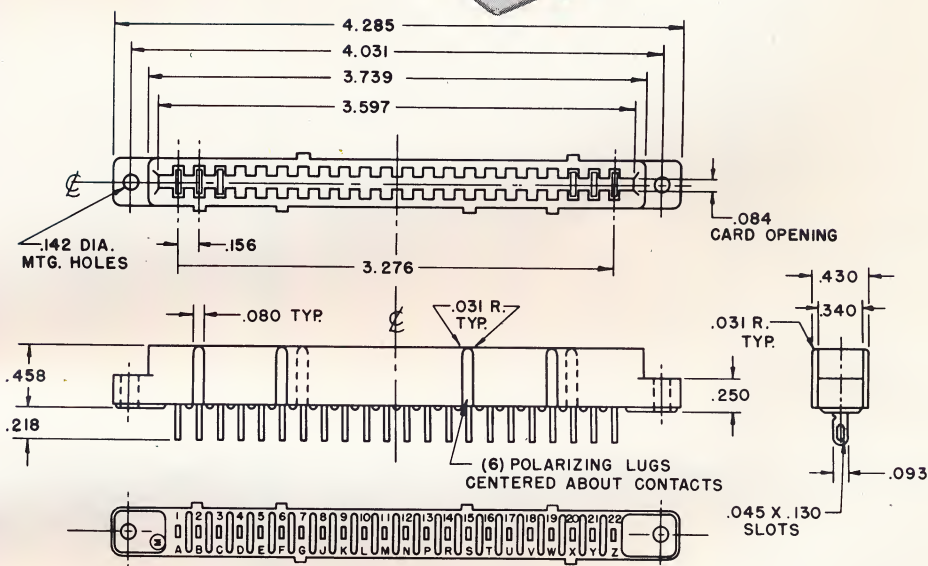


Part Shown
MD-609S-PAS

SD-622S-MPL & MATING MD-609S-PAS

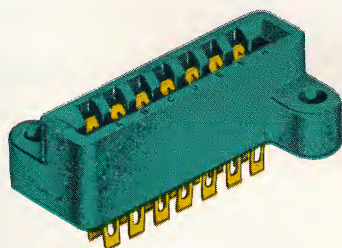
This series of patch cord type Reli-Acon Connector was developed for modular circuit programming systems requiring positive polarization.

Standard female connector will accept two of the mating patching plugs. Molded lugs on the insulator body insure proper alignment. Molded dielectric of glass reinforced diallyl phthalate employing 22 gold plated phosphor bronze contacts on .156" center to center spacing. Patching plug designed of one piece glass reinforced diallyl phthalate molded dielectric to reduce the possibility of moisture entrapment. Further moisture proofing may be obtained by potting the heavy gauge aluminum shell after assembly. Employs 9 gold plated brass contacts on .156" center to center spacing.



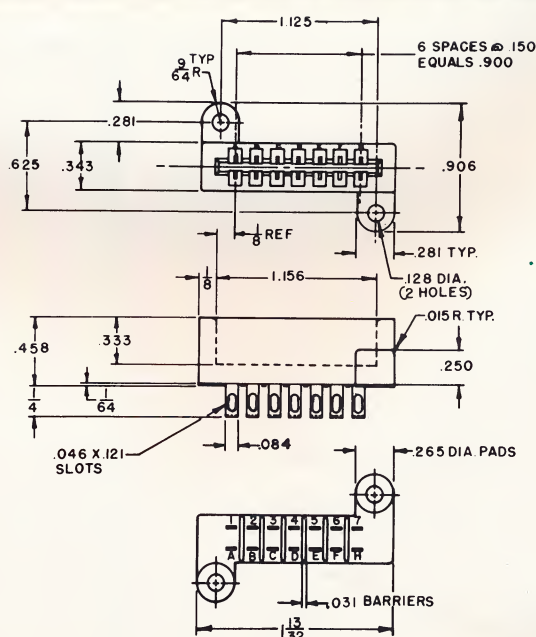
Part Shown SD-622S-MPL

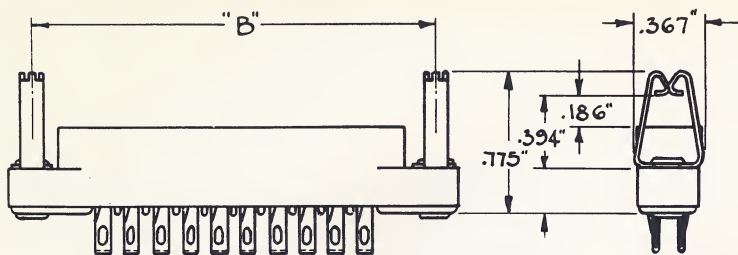
"RELI-ACON" Card Receptacles



FD-RAL-814S-SF

Designed for a unique connector application, the FD-RAL-814S-SF is a standard Reli-Acon type with lateral mounting pads. One piece molded dielectric is glass reinforced diallyl phthalate. Employs split face, gold plated beryllium copper contacts, providing each contact with two individual contacting surfaces for greater reliability under vibration and shock. Standard .150" center to center contact spacing.



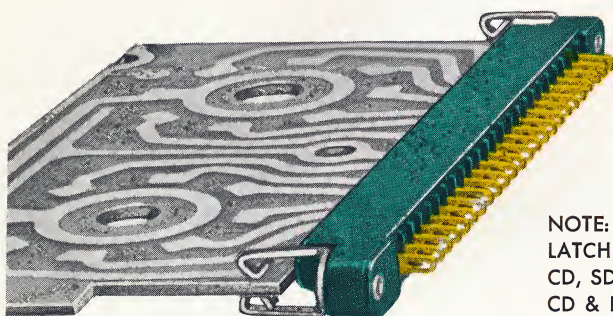


PRINTED CIRCUIT CARD RECEPTACLE LOCKING DEVICE



LD-600

LD-600 Latch Dog. This locking device assures positive seating of even an over-size card with numerous heavy components mounted in any plane. Fabricated of special steel and heat treated to produce the most desirable spring characteristics, and finished with .0003 minimum cadmium and irridited, this clip is available as a separate unit or assembled with either the CD-600 or SD-600 Series single side card receptacle socket or the FD-600 Series double side card receptacle. The .142" D. mounting holes are changed to .120" when the locking device is incorporated.



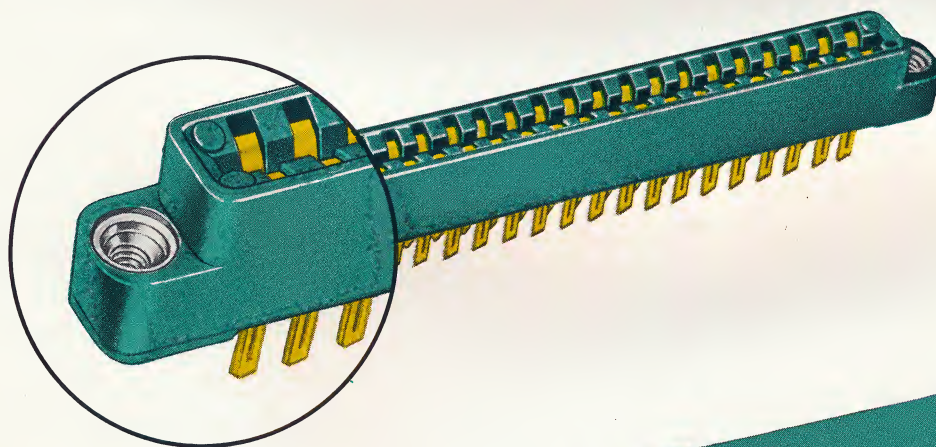
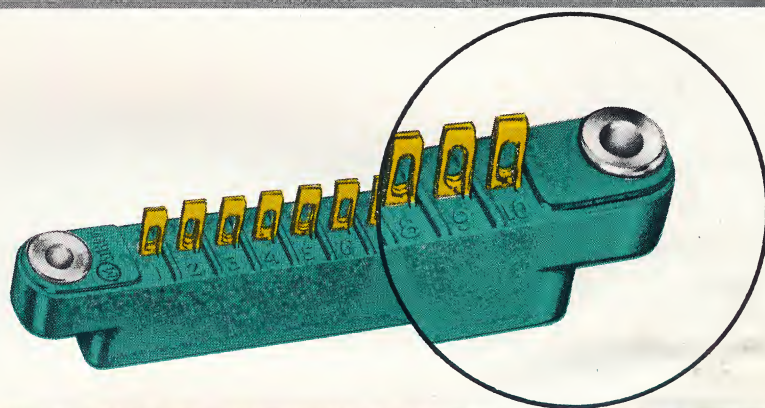
NOTE:
LATCH DOG AVAILABLE ON EITHER
CD, SD OR FD-600 SERIES. REFER TO
CD & FD-600 SERIES FOR "B" DIM.

FLOATING GROMMETS

SD600, FD600, CD600 & FD700 Series Connectors

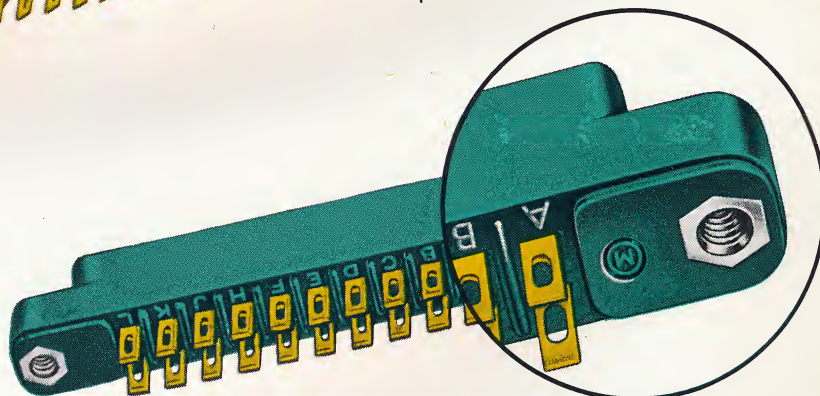
All above Series can be supplied with floating grommets in the mounting holes. They are specifically designed to overcome the problems of misalignment when mounting components in equipment and will allow the connector to move 1/64" in any direction (lateral plane).

Standard part is supplied with a molded insulator of glass reinforced diallyl-phthalate and gold plated beryllium copper contacts on .156" spacing. The float bushing is of passivated stainless steel and provides .113/.114 Dia. Mtg. hole.



Threaded Inserts

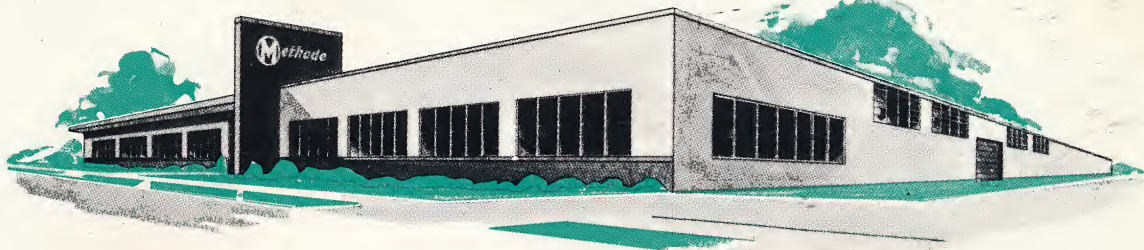
4-40 NC-2B threaded stainless steel inserts can be furnished, upon request, as an additional feature to the following connectors: CD-600, FD-600, MD-600, and SD-600 Series. Inclusion of inserts is specified by adding "-440SS" to basic part number.



Polarizing keys can be provided in any location required. To specify, add suffix P with contact position number to basic part number. For example, SD-618S-P4, 18 contact receptacle with polarizing key in contact position 4.

Omitted contacts are specified by adding 0 with contact position letter or letters to basic part number. For example, SD-622L-0ABMN, 22 contact receptacle with contacts omitted from position ABMN.

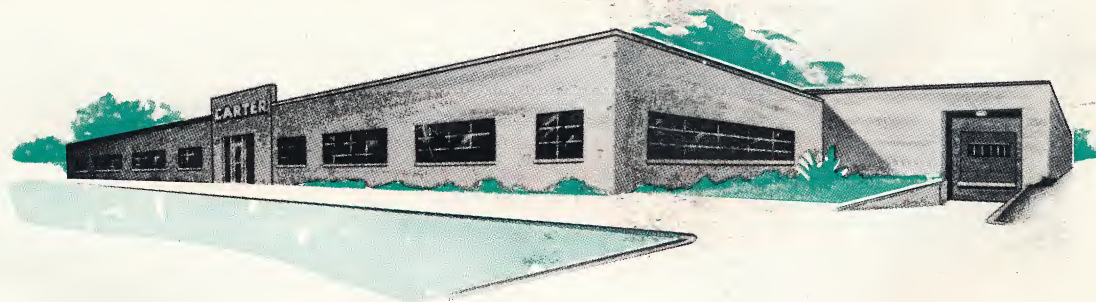
**VOLTAGE
RATING** { 1800 Volts A.C.
at Sea Level.
Current 5 Amperes.



Methode Electronics, Inc. Harwood Heights, Illinois



Methode Manufacturing Corp. Rolling Meadows, Illinois



Carter Precision Electric Co. Skokie, Illinois
Methode Affiliate



Methode Electronics, Inc. 7447 W. Wilson Ave. ■ Chicago 31, Ill.

Telephone: UNderhill 7-9600